

# EXHIBIT 1

**PLAINTIFFS' WITNESS LIST<sup>1</sup>**

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
<b>Google Employee Witnesses (Live)</b>						
1.	Brandon Barras	Senior Strategic Partnerships Development Manager	Google Play business practices; Google's relationships and agreements with developers; Google's destruction of Chat evidence; topics covered in his deposition.	50 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	45 min.
2.	Paul Feng	Vice President, Product Management	Google Play business practices, strategy and finances; YouTube's business practices and strategy; topics covered in his deposition.	40 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min.

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<sup>1</sup> Epic and the Match Plaintiffs are basing this witness list on the assumption that both Match and Epic (and only Match and Epic) will go forward with trial on November 6. Epic and the Match Plaintiffs reserve the right to amend this list in the event the set of participating plaintiffs or if the scope of issues or claims to be tried changes, if any witness becomes unavailable, or in light of new information that becomes known, including through any additional deposition or trial testimony that has yet to be completed. Epic and the Match Plaintiffs further reserve the right to call any witness on Google's list in their case-in-chief, or withdraw any witness currently listed on Plaintiffs' witness list. Epic and the Match Plaintiffs further reserve their right to call any other witness for impeachment or in Plaintiffs' rebuttal.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
3.	Emily Garber	Senior Product Counsel	Google efforts to conceal evidence; Google's destruction of Chat evidence.	15 min.	Use of Chats and other forms of communication, Google's employee trainings.	15 min.
4.	David Kleidermacher	Vice President, Engineering	Android technical restraints; Android and Google Play security; Google's destruction of Chat evidence; topics covered in his deposition.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	45 min.
5.	Purnima Kochikar	Vice President, Partnerships	Google Play business practices, strategy and finances; Google's relationships and agreements with developers; Android technical restraints; Google's destruction of Chat evidence; topics covered in her deposition.	75 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	90 min.

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6.	James Kolotouros	Vice President, Partnerships	Android business practices, strategy and finances; Google's relationships and agreements with OEMs and carriers; Android technical restraints; Google's destruction of Chat evidence; topics covered in his deposition.	75 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min.
7.	Margaret Lam	Strategy for Android	Google's efforts to conceal evidence; Google's destruction of Chat evidence.	20 min.	Use of Chats and other forms of communication, Google's employee trainings.	15 min.
8.	Sundar Pichai	CEO	Google Play and Android business practices, strategy and finances; Google's relationships and agreements with developers; Google's relationships and agreements with OEMs and carriers; Google's relationship and agreements with Apple; Google's destruction of Chat evidence; topics covered in his deposition.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
9.	Jamie Rosenberg	Former Vice President, Product Management	Google Play and Android business practices, strategy and finances; Google's relationships and agreements with developers; Google's relationships and agreements with OEMs and carriers; Google's destruction of Chat evidence; topics covered in his deposition.	75 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	60 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
<b>Epic and Match Employee Witnesses (Live)</b>						
10.	Steven Allison	General Manager, Store (Epic)	Epic's business and practices; Epic Games Store business; game and app distribution history and strategies; Epic's experience with Android and Google Play; topics covered in his deposition testimony.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	30 min.
11.	Sharmistha Dubey	Former CEO and current Director of Match Group, Inc.	Match's business and practices; Match's history; Match's experience with Android and Google Play; Match's interactions with Google; topics covered in her deposition.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	60 min.
12.	Peter Foster	General Manager at Match Group Media	Match's business and practices; Match's experience with Android and Google Play; Match's interactions with Google; topics covered in his deposition.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	60 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
13.	Timothy Sweeney	Chief Executive Officer (Epic)	Epic's business and practices; Epic's history; Epic's experience with app platforms, including PC, consoles and mobile; Epic Games Store business; Epic's experience with Android and Google Play; Epic's interactions with Google; topics covered in his deposition testimony.	90 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	90 min.
14.	Matthew Weissinger	Head of Marketing (Epic)	Epic's business and practices; app distribution and marketing; Epic's experience with Android and Google Play; Epic's interactions with Google; topics covered in his deposition testimony.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	30 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
<b>Third Party Witnesses (Live)</b>						
15.	Lawrence Koh	Google's Director of Games Business Development (Former)	Google Play business practices, strategy and finances; Google's relationships and agreements with developers; Google's destruction of Chat evidence; topics covered in his deposition.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	45 min.
16.	Christian Owens	CEO, Founder and Executive Chairman of Paddle	Paddle's business and practices; Paddle's payment solutions; Paddle's ability to offer a payment solution for in-app purchases on Android apps; topics covered in his deposition testimony.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.
17.	David Nachman	CEO, FastSpring	FastSpring's business and practices; FastSpring's payment solutions; FastSpring's ability to offer a payment solution for in-app purchases on Android apps; topics covered in his deposition testimony.	30 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
18.	Andy Rubin	Former Senior Vice President of Mobile and Digital Content at Google	Topics covered in his designated deposition testimony.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	60 min.
19.	Ben Simon	Software Engineer for Google (2012-2015), Founder and CEO of Down Dog	Down Dog's business and practices; Down Dog's experience with Android and Google Play; Down Dog's interactions with Google; topics covered in his deposition.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.
<b>Expert Witnesses (Live)</b>						
20.	Ned Barnes	PhD	Accounting and profitability issues; topics covered in his expert reports.	45 min.	Topics covered in expert report, topics identified by Plaintiffs.	30 min.
21.	Doug Bernheim	PhD	Antitrust economics issues relating to the licensable smartphone operating system and app distribution markets; topics covered in his expert reports.	180 min.	Topics covered in expert report, topics identified by Plaintiffs.	90 min.

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22.	James Mickens	PhD	Security issues related to Android and Google Play; topics covered in his expert reports.	60 min.	Topics covered in expert report, topics identified by Plaintiffs.	45 min.
23.	Douglas Craig Schmidt <sup>2</sup>	PhD	Non-duplicative security issues related to Android and Google Play; security issues related to Google Play Billing; topics covered in his expert reports.	45 min.	Topics covered in expert report, topics identified by Plaintiffs.	30 min.
24.	Steve Schwartz	PhD	Non-duplicative antitrust economics issues related to the app distribution market and market for Android in-app payment solutions; damages to Match; topics covered in his expert reports.	90 min.	Topics covered in expert report, topics identified by Plaintiffs.	45 min.

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<sup>2</sup> Google objects to Plaintiffs Epic and Match calling Dr. Schmidt in their case-in-chief because neither Epic nor Match submitted an opening expert report from Dr. Schmidt on any topic. Google further objects to Plaintiffs offering Dr. Schmidt to testify in rebuttal unless Google offers relevant testimony from Dr. Chatterjee, the one expert for which Epic retained Dr. Schmidt to respond to. Moreover, Dr. Schmidt's rebuttal report to Dr. Chatterjee was expressly limited to Google Play Billing and excluded the other topics identified in Plaintiffs' disclosure.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
25.	Steve Tadelis	PhD	Antitrust economics issues relating to the market for Android in-app payment solutions; topics covered in his expert reports.	60 min.	Topics covered in expert report, topics identified by Plaintiffs.	45 min.
<b>Google Witnesses (Live or By Designation)</b>						
26.	Michael Marchak	Director, Sales Strategy	Google Play business practices, strategy and finances; Google's relationships and agreements with developers; Google's destruction of Chat evidence; topics covered in his deposition.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	20 min.
27.	Kirsten Rasanen	Director, Partnerships	Google Play and Android business practices, strategy and finances; Google's relationships and agreements with developers; Google's destruction of Chat evidence; topics covered in her deposition.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min.

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28.	Sameer Samat	Vice President, Product Management	Google Play and Android business practices, strategy and finances; Google's relationships and agreements with developers; Google's relationships and agreements with OEMs and carriers; Google's destruction of Chat evidence; topics covered in his deposition.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
<b>Third Party Witnesses (Live or By Designation)</b>						
29.	Mary Carr	Consumer	Her experience with Google Play Store and in-app purchases; the effects of Google's anti-competitive practices; lack of information concerning Google's restrictions on consumers.	15 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.
30.	John Lagerling	Former Google and Meta employee; CEO of Mercari	Google Play and Android business practices, strategy and finances; Google's relationships and agreements with developers; Google's relationships and agreements with OEMs and carriers; Google's destruction of Chat evidence; Facebook's business and practices; Facebook's experience with Android and Google Play; Facebook's interactions with Google; topics covered in his deposition.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	30 min.

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31.	Paul Perryman	VP of Partnerships	Netflix's business and practices; Netflix's experience with Android and Google Play; Netflix's interactions with Google; topics covered in his deposition testimony.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.
<b>Google Employee Witnesses (By Designation)</b>						
32.	Christian Cramer	Finances Director for Platforms and Ecosystems	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	15 min.	Topics covered in his designated deposition testimony	45 min.
33.	Jon Gold	Managing Director, Platforms and Ecosystems Partnership Strategy	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	10 min.	Topics covered in his designated deposition testimony	30 min.
34.	Christopher Li	Google's Director and Head of Platform Growth	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	15 min.	Topics covered in his designated deposition testimony	30 min.

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35.	Justin Mattson	Senior Software Engineer at Google	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	10 min.	Topics covered in his designated deposition testimony	30 min.
36.	Ruth Porat	CFO of Alphabet and Google	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	10 min.	Topics covered in her designated deposition testimony	45 min.
37.	Diana Garcia Rios	Developer Relations Engineering at Google	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	10 min.	Topics covered in her designated deposition testimony	30 min.
38.	Danielle Stein	Head of Monetizing App Partnerships at Google Play	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	10 min.	Topics covered in her designated deposition testimony	30 min.

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<b>Epic and Match Employee Witnesses (By Designation)</b>						
39.	AJ Cihla	Senior Director, Business Development at Tinder, a division of Match Group, LLC	Topics covered in his designated deposition testimony	30 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	15 min.
40.	Ian Purves	Director of Partnerships at Match Group, LLC	Topics covered in his designated deposition testimony	30 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	15 min.
41.	Hans Stolfus	Global Partnerships Lead, Mobile (Epic)	Topics covered in his designated deposition testimony	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	30 min.
42.	Gary Swidler	Former Chief Operating Officer and current President and Chief Financial Officer at Match Group, Inc.	Topics covered in his designated deposition testimony	30 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	15 min.

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<b>Third Party Witnesses (By Designation)</b>						
43.	Sandra Alzetta	Vice President, Global Head of Payments, Spotify	Topics covered in her designated deposition testimony	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.
44.	Paul Bankhead	Google Play product team lead (Former)	Topics covered in his designated deposition testimony	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	20 min.
45.	Eric Christensen	Executive Director of Software Product Management and Partner Management, Motorola	Topics covered in his designated deposition testimony.	30 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	30 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>
46.	Eric Chu	Former Head of the Open Handset Alliance/Android Developer Ecosystem (2007– 2012)	Google Play and Android business practices, strategy and finances; Android technical restraints; Google's relationships and agreements with developers; Google's relationships and agreements with OEMs and carriers; YouTube's business practices; Google's destruction of Chat evidence; topics covered in his deposition.	45 min	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min.
47.	Christopher Dury	Former CEO, GetJar	Topics covered in his designated deposition testimony.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.
48.	Jeffrey Ezell	Vice President of Strategy and Business Development, AT&T	Topics covered in his designated deposition testimony.	30 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	30 min.
49.	Donn Morrill	Director of Developer Relations, Amazon	Topics covered in his designated deposition testimony.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	15 min.

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50.	Nick Sears	Co-Founder of Android and Engineer (2005-2013)	Topics covered in his designated deposition testimony.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	30 min.
51.	Marc Shedroff	Vice President for Business Development and Alliances, Meta	Facebook's business and practices; Facebook's experience with Android and Google Play; Facebook's interactions with Google; topics covered in his designated deposition testimony.	60 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	30 min.
52.	Richard Watts	Vice President of Product Revenue, Bumble	Topics covered in his designated deposition testimony.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.
53.	Armin Zerza	CFO, Activision	Activision's business and practices; Activision's app distribution strategies; Activision's experience with Android and Google Play; Activision's relationships and agreements with Google; topics covered in his deposition.	45 min.	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	45 min.

## **GOOGLE WITNESS LIST<sup>3</sup>**

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
<b>Google Employee Witnesses (Live)</b>						
1.	Patrick Brady	Vice President, Engineering	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	15 min.	Android technical restraints; Android security; Google's relationships and agreements with OEMs and carriers; Google's destruction of Chat evidence; topics covered in his deposition; the lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct.	45 min.
2.	Edward Cunningham	Director, Product Management	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min.	The lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct; testimony to support Plaintiffs' claims and defenses.	30 min.

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<sup>3</sup> This list contains Google's current, good faith list of the witnesses Google is likely to call during its case in-chief in the event that both Match and Epic (and only Match and Epic) go forward with the trial on November 6. Google listed other witnesses on its prior witness lists and designated deposition testimony of others, who Google currently does not anticipate calling. That said, Google reserves its right to call any witness who was previously disclosed for potential trial testimony, if necessary after Plaintiffs' witnesses testify. Google reserves the right to amend this list in the event the set of participating plaintiffs or if the scope of issues or claims to be tried changes, if any witness becomes unavailable, or in light of new information that becomes known. Google further reserves the right to call any witness on Plaintiffs' list in its case-in-chief or withdraw any witnesses currently included in its list. Google further reserves its right to call any other witness for impeachment or in rebuttal.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
3.	Paul Gennai	Vice President, Product Management	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	60 min.	Google Play and Android business practices, strategy and finances; Google's relationships and agreements with developers; Google's relationships and agreements with OEMs and carriers; Google's destruction of Chat evidence; topics covered in his deposition; the lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct.	45 min.
4.	Don Harrison	Vice President, Partnerships	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min.	Google Play and Android business practices, strategy and finances; Google's relationships and agreements with developers; Google's relationships and agreements with OEMs and carriers; Google's relationship and agreements with Apple; Google's destruction of Chat evidence; topics covered in his deposition; the lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct.	45 min.

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5.	Sarah Karam	Director, Partnerships	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	30 min.	Google's relationships and agreements with developers; Google's destruction of Chat evidence; topics covered in her deposition; the lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct.	45 min.
6.	Hiroshi Lockheimer	Senior Vice President, Technical	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	45 min.	Google Play and Android business practices, strategy and finances; Android technical restraints; Android security; Google's relationships and agreements with developers; Google's relationships and agreements with OEMs and carriers; Google's relationship with Apple; Google's destruction of Chat evidence; topics covered in his deposition; the lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct.	50 min.

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7.	Mrinalini Loew	Director, Product Management	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	60 min.	Google Play business practices, strategy and finances; Google's destruction of Chat evidence; topics covered in her deposition; the lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct.	40 min.
8.	Rich Miner	Director, Software Engineering	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	90 min.	Android and Google Play business practices; topics covered in his deposition; the lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct.	30 min.
<b>Epic Employee Witnesses (Live)</b>						
9.	Ethan Diamond	Senior Director (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	30 min.	Bandcamp's business and practices; Bandcamp's experience with Android and Google Play; Bandcamp's interactions with Google; app distribution; topics covered in his deposition testimony; the lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct.	30 min.

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10.	Andrew Grant	Technical Director (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	30 min.	Topics covered in his designated deposition testimony	30 min.
<b>Third Party Witnesses (Live)</b>						
11.	Carson Oliver <sup>4</sup>	Sr. Director of Business Management (Apple)	Competition between the Apple App Store and the Google Play store.	45 min.	TBD	TBD
12.	Apple	Custodian of Records	Authentication of business record documents	5 min.	TBD	TBD
13.	Twitter	Custodian of Records	Authentication of business record documents	5 min.	TBD	TBD
14.	Mohsen Malekinehad	Director of CA Notify Exposure Notification Program, California Department of Public Health	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	15 min.	The lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct; testimony to support Plaintiffs' claims and defenses.	5 min.

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<sup>4</sup> Plaintiffs object to the inclusion of Mr. Oliver on Google's witness list and have requested that the Court exclude his trial testimony pursuant to Rule 37(c)(1) of the Federal Rules of Civil Procedure and Paragraph 24 of this Court's Standing Order for Civil Cases. (ECF 613)

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15.	Ian Sanford	Information Technology Specialist, California Department of Public Health	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.	The lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct; testimony to support Plaintiffs' claims and defenses.	5 min.
<b>Expert Witnesses (Live)</b>						
16.	Sandeep Chatterjee	Chief Executive Officer, Experantis LLC	How Google Play services works, how it fits into the architecture of the Android operating system, and how it benefits app developers, OEMs, and users; expert opinion as disclosed in expert reports.	30 min.	Topics covered in his expert report and deposition.	30 min.
17.	Matthew Gentzkow	Landau Professor of Technology and the Economy, Stanford University	Competitive effects of Google's conduct and procompetitive benefits of and justifications for that conduct, and responses to opinions of Plaintiffs' experts regarding the same; expert opinion as disclosed in expert reports.	120 min.	Topics covered in his expert report and deposition.	90 min.

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18.	Gregory Leonard	Vice President, Charles River Associates	Google's counterclaim damages against Epic and Match; analysis of pass-through; responses to Plaintiffs' damages analyses; expert opinion as disclosed in expert reports.	45 min.	Topics covered in his expert report and deposition.	25 min.
19.	Zhiyun Qian	Everett and Imogene Ross Associate Professor, Computer Science and Engineering Department, University of California Riverside	Security practices to mitigate threats, threat environments facing the Android ecosystem, Android's security-related features and policies, and ramifications of alternative features and policies; expert opinion as disclosed in expert reports.	60 min.	Topics covered in his expert report and deposition.	60 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
20.	Douglas Skinner	Deputy Dean for Faculty and Eric J. Gleacher Distinguished Service Professor of Accounting, University of Chicago Booth School of Business	Evaluate calculations, findings, and opinions of Plaintiffs' experts regarding the profitability of Google Play; expert opinion as disclosed in expert reports.	45 min.	Topics covered in his expert report and deposition.	25 min.
21.	Catherine Tucker	Sloan Distinguished Professor of Management Science, Massachusetts Institute of Technology	Relevant antitrust market, competition faced by Google, Plaintiffs and their experts' assertions regarding the relevant market and Google's alleged market or monopoly power; expert opinion as disclosed in expert reports.	120 min.	Topics covered in her expert report and deposition.	90 min.
<b>Third Party Witnesses (Live or By Designation)</b>						
22.	Robert Beaty	Chief Technology Officer, OCV	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	30 min.	The lack of pro-competitive benefits and that Google has no legitimate justifications for its conduct; testimony to support Plaintiffs' claims and defenses.	15 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
23.	Adrian Ong	Former Senior Vice President of Operations at Match Group, LLC	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	45 min.	Match's business and practices; Match's experience with Android and Google Play; Match's interactions with Google; topics covered in his deposition.	45 min.
<b>Epic and Match Employee Witnesses (By Designation)</b>						
24.	Chris Babcock	Senior Platform Programmer (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	30 min.	Topics covered in his designated deposition testimony	10 min.
25.	Randy Gelber	Chief Financial Officer (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	45 min.	Topics covered in his designated deposition testimony	15 min.
26.	Joshua Kim	Former COO of Bandcamp, Inc.	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, and Google's counterclaims.	5 min.	Topics covered in his designated deposition testimony	5 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
27.	Joseph Kreiner	Vice President of Business Development (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	45 min.	Topics covered in his designated deposition testimony	10 min.
28.	Thomas Ko	Former Head of Business and Online Strategy for Online Services (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	30 min.	Topics covered in his designated deposition testimony	10 min.
29.	Haseeb Malik	Former Marketing Director (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	15 min.	Topics covered in his designated deposition testimony	5 min.
30.	David Nikdel	Engineer (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	15 min.	Topics covered in his designated deposition testimony	5 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
31.	Cameron Payne	Marketing Director (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	15 min.	Topics covered in his designated deposition testimony	5 min.
32.	Nicholas Penwarden	VP of Engineering (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	15 min.	Topics covered in his designated deposition testimony	10 min.
33.	Adam Sussman	President (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	45 min.	Topics covered in his designated deposition testimony	15 min.
34.	Alec Shobin	Marketing Manager (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	30 min.	Topics covered in his designated deposition testimony	10 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
35.	Daniel Vogel	Chief Operating Officer (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	15 min.	Topics covered in his designated deposition testimony	5 min.
36.	Ed Zobrist	Former Head of Publishing (Epic)	The pro-competitive benefits and legitimate justifications of Google's conduct and defenses, Google's counterclaims, and Epic's requested relief.	15 min.	Topics covered in his designated deposition testimony	5 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
<b>Third Party Witnesses (By Designation)</b>						
37.	Pal Berg	Lead of Streaming, Tidal	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	15 min.	Topics covered in his designated deposition testimony	5 min.
38.	Asi Burak	Chief Business Officer, Tilting Point	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	30 min.	Topics covered in his designated deposition testimony	15 min.
39.	George Christopoulos	SlideME, Founder and CEO	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	15 min	Topics covered in his designated deposition testimony	5 min.
40.	Rich Czeslawski	Chief Operating Officer & President, Pure Sweat Basketball	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	10 min.	Topics covered in his designated deposition testimony	5 min.
41.	Patrick Cox	Biological Data Systems Manager, Washington Department of Fish & Wildlife	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	15 min.	Topics covered in his designated deposition testimony	5 min.
42.	Ted Goessling	Systems Architect, Minnesota IT Services	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	5 min.	Topics covered in his designated deposition testimony	5 min.

	<b>Witness</b>	<b>Title</b>	<b>Substance of Google's Examination</b>	<b>Google's Time Estimate</b>	<b>Substance of Plaintiffs' Examination</b>	<b>Plaintiffs' Time Estimate</b>
43.	Bradley Harris	IT Administrator, Louisiana Secretary of State	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	15 min.	Topics covered in his designated deposition testimony	5 min.
44.	Jamie McClanahan	Chief Information Officer, Texas Parks & Wildlife	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	5 min.	Topics covered in her designated deposition testimony	5 min.
45.	Jordan Pettinato	Director of Business Development, Soundcloud	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	5 min.	Topics covered in his designated deposition testimony	5 min.
46.	Rohit Tandon	Chief Information Security Officer, Minnesota IT Services	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	5 min.	Topics covered in his designated deposition testimony	5 min.
47.	Keith Tresh	Chief Information Security Officer, Idaho Technology Authority	The pro-competitive benefits and legitimate justifications of Google's conduct and Google's defenses.	5 min.	Topics covered in his designated deposition testimony	5 min.